

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A feeding control method used for recording images by ~~relative~~ feeding ~~[[of]] a recording head and~~ a recording material in a first direction relative to a recording head, said recording head having an array of plural recording elements in said first direction, said image being recorded on said recording material by repeating feeding of said recording head in a second direction perpendicular to said first direction, and said relative feeding each time, said feeding control method comprising the steps of:

determining a correction value in said relative feeding on a random basis within a predetermined range; and

~~relatively feeding said recording head and~~ said recording material in said first direction relative to said recording head with a corrected feeding amount, which is obtained by adding said correction value to a predetermined basic value.

2. (original): A feeding control method as claimed in claim 1, further comprising the steps of:

determining natural numbers n and m that satisfy $n \geq m$; and

carrying out relative feeding for m times by said corrected feeding amount in every n times of relative feeding.

3. (original) A feeding control method as claimed in claim 1, further comprising the steps of:

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determining a natural number R1 on a random basis; and
carrying out said relative feeding each time by said corrected feeding amount in every R1
times of relative feeding.

4. (original): A feeding control method as claimed in claim 1, wherein a feeding
mechanism carries out said relative feeding by feeding said recording material in said first
direction each time, said correction value C1 is determined within the following range;

$$|C1| < (p - k)/2$$

wherein p is an interval between recording dots in said recording material in said first
direction, and k is a range of unevenness caused by structural factors of said feeding mechanism.

5. (original): A feeding control method as claimed in claim 1, wherein said feeding
mechanism carries out said relative feeding by feeding said recording material in said first
direction each time, said correction value C1 is determined within the following range;

$$|C1| < k$$

wherein k is a range of unevenness in feeding amount caused by said structural factors of
said feeding mechanism.

6. (original): A feeding control method as claimed in claim 1, wherein said feeding
mechanism carries out said relative feeding by feeding said recording materials in said first
direction each time, and said correction value C1 is determined in the following range;

$$|C1| < 15 \mu\text{m}$$

7. (original): A feeding control method as claimed in claim 1, further
comprising the steps of:

storing said correction value in a memory in each relative feeding; and

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determining said corrected feeding amount for recording next image by using said correction value, which is read from said memory.

8. (currently amended): A printer for recording an image on a recording material, said printer comprising:

a recording head having an array of recording elements in a first direction;

a carriage for feeding said recording head in a second direction, which is perpendicular to said first direction;

a feeding mechanism for ~~relatively~~ feeding said recording materials ~~and said recording head~~ in said first direction relative to said recording head; and

a controller for carrying out said relative feeding for a corrected feeding amount obtained by adding a corrected value, which is determined on a random basis within a predetermined range, to a predetermined basic value.

9. (original): A printer as claimed in claim 8, wherein said controller carries out m times of relative feeding by said corrected feeding amount in every n times of relative feeding.

10. (original): A printer as claimed in claim 8, wherein said controller determines random number R1, and carries out said relative feeding by said corrected feeding amount, once in every R1 times of relative feeding.

11. (original): A printer as claimed in claim 8, further comprising a feeding mechanism for feeding said recording material in said first direction each time, said controller determining said correction value C1 within the following range;

$$|C1| < (p - k)/2$$

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wherein p is an interval between recording dots on said recording materials, k is a range of unevenness in feeding amount caused by structural factors in said feeding mechanism.

12. (original): A printer as claimed in claim 8, further comprising a feeding mechanism for feeding said recording material in said first direction each time, said controller determining said correction value $C1$ within the following range;

$$|C1| < k$$

wherein k is a range of unevenness in feeding amount caused by structural factors of said feeding mechanism.

13. (original): A printer as claimed in claim 8, further comprising a feeding mechanism for feeding said recording material in said first direction each time, said controller determining said correction value $C1$ within the following range;

$$|C1| < 15 \mu\text{m}$$

14. (original): A printer as claimed in claim 8, further comprising a memory for storing said correction value in each relative feeding, said controller determining said corrected feeding amount for recording next image by using said correction value, which is read from said memory.